

*ok to
enter
6/21/07
VBP*

AMENDMENTS TO THE CLAIMS

1. **(Allowed)** A test kit comprising a monospecific antisera that recognizes a BabA antigen and comprises an immunoglobulin that binds said BabA antigen via a variable region, wherein said Bab A adhesin protein comprises SEQ ID NO:5 and is produced using an isolated and purified bacterial blood group antigen binding protein (BabA) from *Helicobacter pylori* species, wherein said BabA protein binds specifically to fucosylated Lewis^b type I and H-1 blood group antigen-glycoconjugates and,

wherein said BabA protein contains less than 20% bacterial protein impurities, has a molecular weight in the interval of 70 to 77 kDa as determined by sodium dodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE), and is not a HopA, HopB, HopC, HopD, or HopE protein.

2. **(Allowed)** The test kit according to claim 1, wherein said BabA adhesin protein has a molecular weight in the interval of about 73 to 75 kDa as determined by SDS-PAGE.

3. **(Allowed)** The test kit according to claim 1, wherein the molecular weight of said BabA adhesin protein is about 73.5 kDa.

4. **(Allowed)** A test kit comprising an isolated monospecific immunoglobulin composition that recognizes a BabA antigen and comprises an immunoglobulin that binds said BabA antigen via a variable region, wherein said BabA adhesin protein comprises SEQ ID NO:5 and is produced using an isolated and purified bacterial blood group antigen binding protein (BabA) from *Helicobacter pylori* species, wherein said BabA protein binds specifically to fucosylated Lewis^b type I and H-1 blood group antigen-glycoconjugates and,

wherein said BabA protein contains less than 20% bacterial protein impurities, has a molecular weight in the interval of 70 to 77 kDa as determined by sodium dodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE), and is not a HopA, HopB, HopC, HopD, or HopE protein.

5. **(Currently Amended)** The ~~immunoglobulin test kit~~ according to claim 4, wherein the molecular weight of said BabA adhesin protein is about 73.5 kDa.

6. **(Currently Amended)** The test kit according to claim 4, wherein said BabA adhesin protein has a molecular weight in the interval of about 73 to 75 kDa as determined by SDS-PAGE.

7. **(Allowed)** The test kit according to claim 4, wherein said immunoglobulin is a monoclonal antibody.